



Utgava  
2  
Issue

Grupp  
2a  
Group  
Sida  
1a  
Page

## GRUPP 2a Motor

### INNEHÅLLSFÖRTECKNING

	Sida	Koord
Motor med monteringsdetaljer .....	2	1-A13
• Cylinderblock .....	2	1-A13
• Vevhusventilation .....	2	1-A13
• Svänghjulsåpa .....	2	1-A13
• Transmissionsåpa, transmissionsdrev ..	2	1-A13
• Cylinderlockspackning .....	2	1-A13
• Ventilåpa .....	2	1-A13
• Insugnings- och avgasrör .....	2	1-A13
• Motorupphängning .....	4	1-A15
• Vevrörelse .....	10a	1-A21
•• Kolv, kolring, kolvbult .....	10a	1-A21
•• Vevstake, vevlager .....	10a	1-A21
•• Vevaxel, ramlager .....	10a	1-A21
•• Svänghjul .....	10a	1-A21
• Kamaxel, ventillyftare, tryckstång .....	12	1-B1
• Cylinderlock, ventil, vipparm .....	14	1-B3
• Smörjsystem .....	18	1-B7
•• Oljepump med drivning, oljesump .....	18	1-B7
•• Oljemätsticka, oljefilter .....	18	1-B7

## GROUP 2a Engine

### INDEX

	Page	Grid
Engine and installation components .....	2	1-A13
• Cylinder block .....	2	1-A13
• Crankcase ventilation .....	2	1-A13
• Flywheel casing .....	2	1-A13
• Timing gears and casing .....	2	1-A13
• Cylinder head gasket .....	2	1-A13
• Valve casing .....	2	1-A13
• Manifolds .....	2	1-A13
• Engine suspension .....	4	1-A15
• Crankshaft and related parts .....	10a	1-A21
•• Piston, piston rings, gudgeon pins .....	10a	1-A21
•• Connecting rods, big end bearings .....	10a	1-A21
•• Crankshaft, main bearings .....	10a	1-A21
•• Flywheel .....	10a	1-A21
• Camshaft, valve lifters, push rods .....	12	1-B1
• Cylinder head, valves, rocker arms .....	14	1-B3
• Lubricating system .....	18	1-B7
•• Oil pump and drive, sump .....	18	1-B7
•• Dipstick, oil filter .....	18	1-B7

## GROUPE 2a Moteur

### TABLE DES MATIERES

	Page	Grid
Moteur et détails de montage .....	2	1-A13
• Bloc-cylindres .....	2	1-A13
• Ventilation du carter de vilebrequin .....	2	1-A13
• Carter de volant .....	2	1-A13
• Carter de distribution, engrenage de distribution .....	2	1-A13
• Joint de culasse .....	2	1-A13
• Carter de soupape .....	2	1-A13
• Tuyau d'aspiration et d'échappement ..	2	1-A13
• Suspension de moteur .....	4	1-A15
• Embiellage .....	10a	1-A21
•• Piston, segment de piston, axe de piston .....	10a	1-A21
•• Bielle, palier de bielle .....	10a	1-A21
•• Vilebrequin, palier de vilebrequin .....	10a	1-A21
•• Volant .....	10a	1-A21
• Arbre à cames, poussoir de soupape, tige de culbuteur .....	12	1-B1
• Culasse, soupape, culbuteur .....	14	1-B3
• Système de lubrification .....	18	1-B7
•• Pompe à huile et entraînement, carter d'huile .....	18	1-B7
•• Jauge d'huile, filtre à huile .....	18	1-B7

## GRUPPE 2a Motor

### INHALTSVERZEICHNIS

	Seite	Grid
Motor mit Einbauteilen .....	2	1-A13
• Zylinderblock .....	2	1-A13
• Kurbelgehäuseentlüftung .....	2	1-A13
• Schwungradgehäuse .....	2	1-A13
• Steuergehäuse, Steuerräder .....	2	1-A13
• Zylinderkopfdichtung .....	2	1-A13
• Ventilgehäuse .....	2	1-A13
• Ansaug- und Auspuffrohr .....	2	1-A13
• Motoraufhängung .....	4	1-A15
• Kurbeltrieb .....	10a	1-A21
•• Kolben, Kolbenringe, Kolbenbolzen ..	10a	1-A21
•• Pleuellstange, Hublager .....	10a	1-A21
•• Kurbelwelle, Hauptlager .....	10a	1-A21
•• Schwungrad .....	10a	1-A21
• Nockenwelle, Ventilstößel, Stosstange ..	12	1-B1
• Zylinderkopf, Ventil, Kipphebel .....	14	1-B3
• Schmieranlage .....	18	1-B7
•• Ölpumpe, mit Antrieb, Ölwanne .....	18	1-B7
•• Ölmesstab, Ölfilter .....	18	1-B7



## GRUPO 2a

### Motor

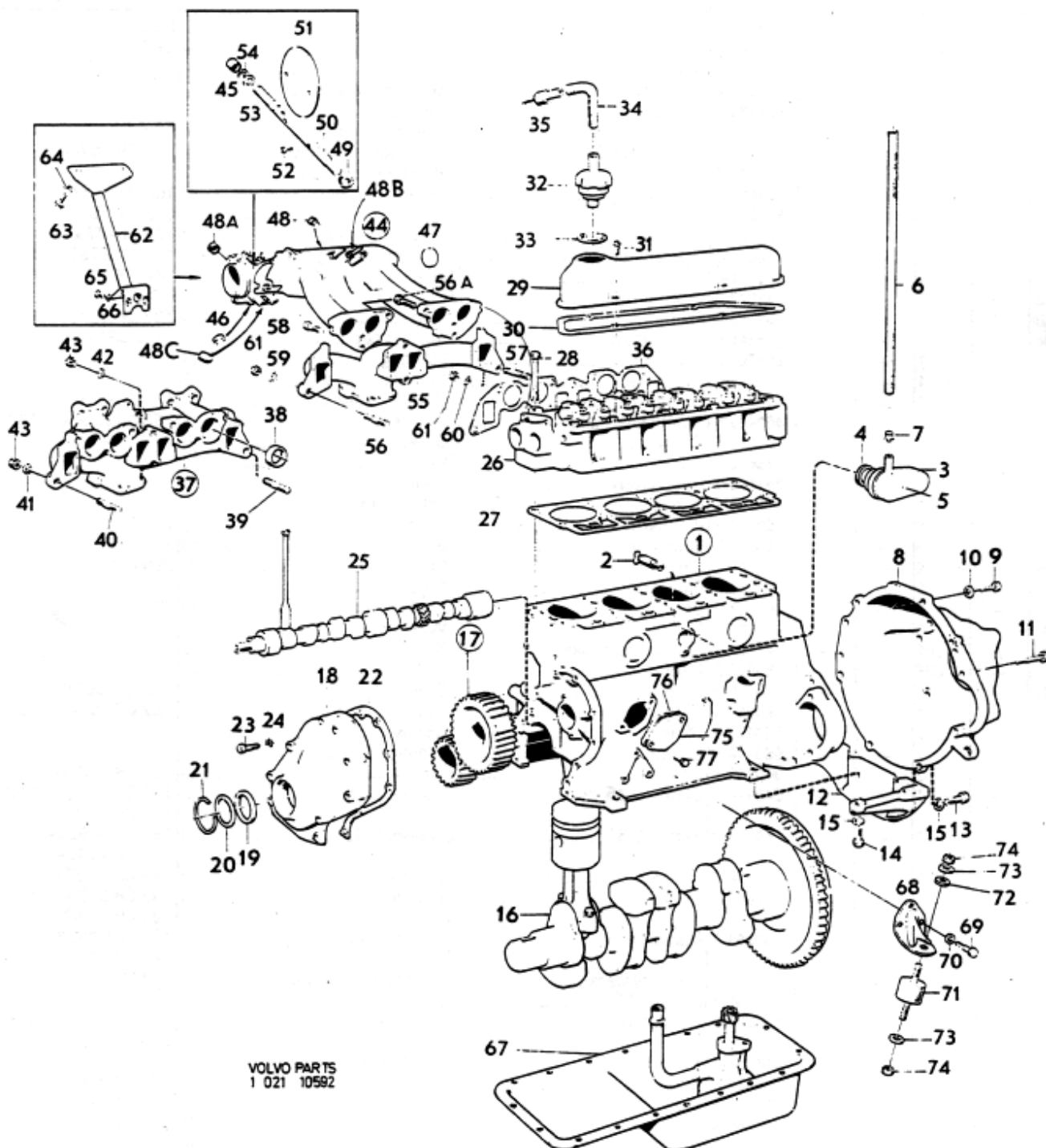
#### INDICE

	Pág	Grid
Motor con piezas de montaje .....	2	1-A13
• Bloque de cilindros .....	2	1-A13
• Ventilación del cárter .....	2	1-A13
• Cubierta del volante .....	2	1-A13
• Cubierta de distribución engranajes de distribución .....	2	1-A13
• Empaquetadura de culata .....	2	1-A13
• Cubierta de válvula .....	2	1-A13
• Multiples de admisión y de escape ....	2	1-A13
• Suspensión del motor .....	4	1-A15
• Cigüeñal, bielas y piezas componentes	10a	1-A21
•• Pistón, aros de pistón, pemo de pistón .....	10a	1-A21
•• Biela, cojinetes de biela .....	10a	1-A21
•• Cigüeñal, cojinetes de bancada .....	10a	1-A21
•• Volante .....	10a	1-A21
• Eje de levas, taqué, varilla de empuje ..	12	1-B1
• Culata, válvula, balancín .....	14	1-B3
• Sistema de lubricación .....	18	1-B7
•• Bomba de aceite con accionamiento, cárter de aceite .....	18	1-B7
•• Varilla indicadora de aceite, filtro de aceite .....	18	1-B7





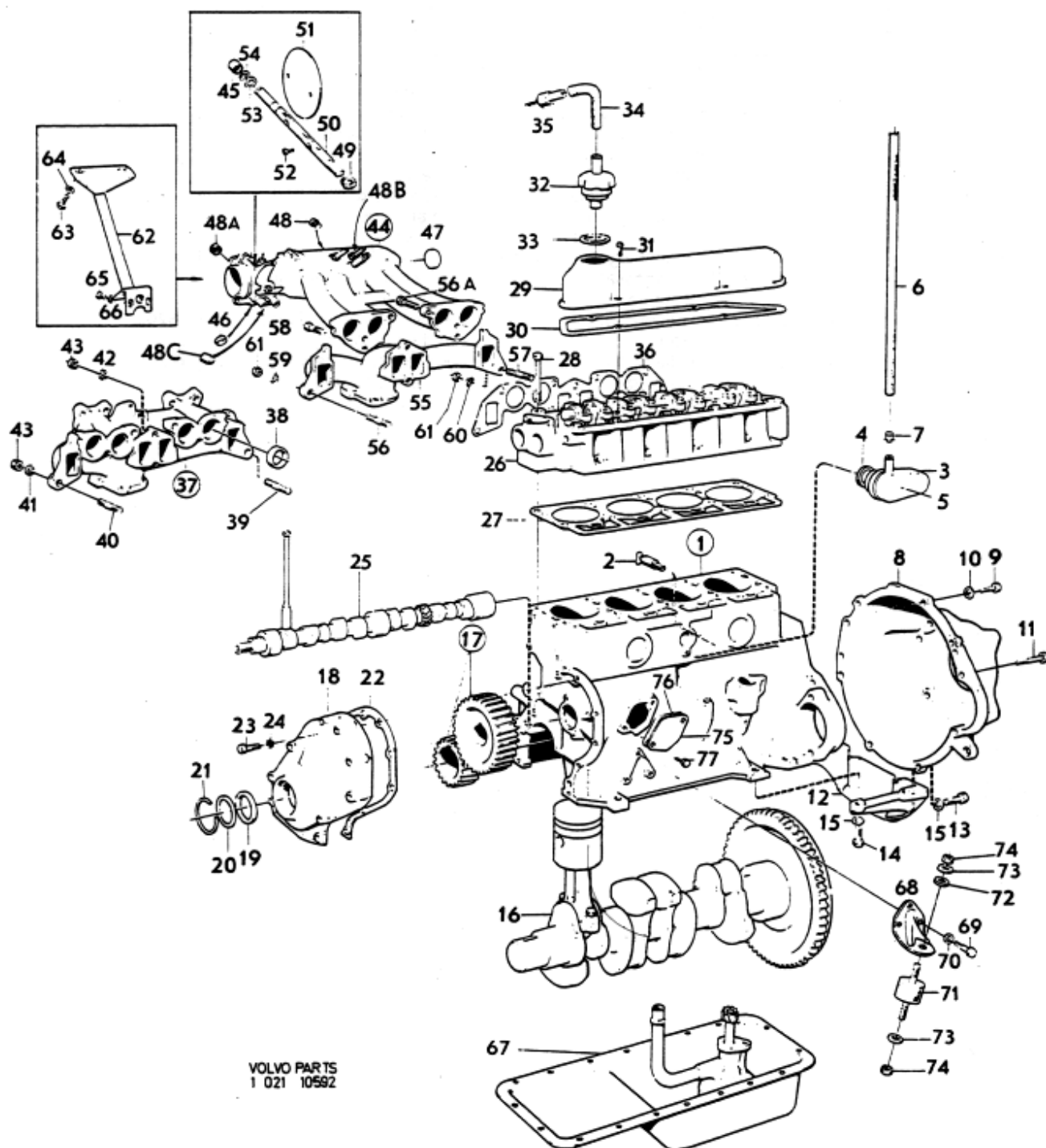
Sida	Grupp	Motor med monterings-	Engine and installation	Illustration Utgåva			
2	2a	detaljer	components	5			
Page	Group			10592 Issue			
Pos.	Antal/Quantity						
Fig.	B20B	B20E B20F	Detalj nr Part No	Benämning	Description	Sats Kit	Anmärkning Notes
1	1	1	460365-0	Cylinderblock	Cylinder block	4	
2	1	1	82745-1	•Det se sida 8	•Components see page 8		
3	1	1	419743-0	Oljefälla	Oil trap	2	TID UTF
4	1	1	419808-1	Oljefälla	Oil trap	4	TID UTF. D 22
5	1	1	418412-3	Gummiring för 419743	Rubber ring for 419743	S	DI 21
6	1	1	419805-7	Gummiring för 419808	Rubber ring for 419808	S	DI 26
7	550	735	955512-9	Skruv	Screw	0	
8	1	900	942390-6	Gummislang	Rubber hose	2	182 CH-32799
9	1	1	942390-6	Gummislang	Rubber hose	2	182 CH 32800- 183
10	1	1	419771-1	Flamskydd	Flame shield	2	
11	1	1	419311-6	Svånghjulsåpa	Flywheel casing	3	M41, M410, BW35, SE GRUPP 4
12	4	4	940160-5	Skruv	Screw	0	M 41
13	4	4	941909-4	Fjädrande bricka	Resilient washer	0	M 41
14	1	1	419314-0	Konsol	Bracket	3	SE GRUPP 3
15	2	2	940162-1	Skruv	Screw	0	L 38
16	4	4	955535-0	Skruv	Screw	0	L 32
17	6	6	942336-9	Fjädrande bricka	Resilient washer	0	
18	1	1	276294-6	Drevsats	Gear kit	2	
19	1	1	•Vevaxeldrev	•Crankshaft gear	•Crankshaft gear	S	
20	1	1	•Kamaxeldrev	•Camshaft gear	•Camshaft gear	S	
21	1	1	•Packning	•Gasket	•Gasket	S	SE POS 22
22	1	1	•Filtrering	•Felt ring	•Felt ring	S	SE POS 19
23	1	1	•Låsring	•Circlip	•Circlip	S	SE POS 21
24	1	1	•Tryckfläns	•Pressure flange	•Pressure flange	8	SE SIDA 12
25	2	2	•Skruv	•Screw	•Screw	S	SE SIDA 12, POS 8
26	1	1	418479-2	Transmissionsåpa	Timing gear casing	3	
27	1	1	418622-7	Filtrering	Felt ring	S	
28	1	1	418626-8	Hållare	Retainer	S	
29	1	1	418624-3	Låsring	Circlip	S	
30	1	1	418272-1	Packning	Gasket	S	
31	2	2	955514-5	Skruv	Screw	0	L 25
32	7	7	940158-9	Skruv	Screw	0	L 45
33	9	9	941906-0	Fjädrande bricka	Resilient washer	0	
34	1	1	Kamaxel	Camshaft	Camshaft	S	SE SIDA 12
35	1	1	Cylinderlock	Cylinder head	Cylinder head	S	SE SIDA 14
36	1	1	419310-8	Cylinderlockspackning	Cylinder head gasket	S	2) TID UTF. STD.
37	1	1	419763-8	Cylinderlockspackning	Cylinder head gasket	S	ALT SE SIDA 20
38	1	1	419763-8	Cylinderlockspackning	Cylinder head gasket	S	2) SEN UTF.
39	1	1	419763-8	Cylinderlockspackning	Cylinder head gasket	S	ALT SE SIDA 20
40	10	10	460322-1	Cylinderlockspackning	Cylinder head gasket	S	B20E
41	1	1	191523-0	Skruv	Screw	0	B20F
42	1	1	418862-9	Ventilkåpa	Valve casing	3	
43	1	1	419678-8	Packning	Gasket	S	
44	4	4	950045-5	Skruv	Screw	0	
45	1	1	460649-7	Ventilationshuv	Breather cap	1	
46	1	1	940096-1	Packning	Gasket	S	
47	1	1	460003-7	Gummislang	Rubber hose	2	(419741)
48	1	1	460082-1	Nippel	Nipple	3	
49	1	1	418870-2	Packning	Gasket	S	
50	1	1	419764-6	Packning	Gasket	S	
51	1	1	419561-6	Insugnings- och avgasrör	Induction and exhaust manifold	3	
52	1	1	•Det se sida 16	•Components see page 16	•Components see page 16		
53	1	1	418408-1	Styrhylsa	Guide sleeve	3	



VOLVO PARTS  
1 021 10582



Sida	Grupp	Motor med monterings-	Engine and installation	Illustration	Utgåva					
4	2a	detaljer	components		3					
Page	Group			10592 Issue						
Pos. Fig.	Antal/Quantity				Detalj nr Part No	Benämning	Description	Sats Kit	Anmärkning Notes	
	B20B	B20E	B20F							
39	3	—	—	—	953243-3	Pinnskruv	Stud	0	L 50	010
40	6	—	—	—	953241-7	Pinnskruv	Stud	0	L 45	020
41	6	—	—	—	419401-5	Bricka	Washer	1		030
42	4	—	—	—	941907-8	Fjädrande bricka	Resilient washer	0		040
43	9	—	—	—	955826-3	Mutter	Nut	0		050
44	—	1	—	—	460265-2	Insugningsrör	Induction manifold	3	182. 183 CH-3069	060
45	—	1	—	—	460266-0	Insugningsrör	Induction manifold	3	183 CH 3070-	061
46	—	2	—	—	943912-6	•Bussning	•Bushing	2		070
47	—	2	—	—	955083-1	•Hattplugg	•Plug	0	TID UTF. D 14,5	080
48	—	2	—	—	944207-0	•Hattplugg	•Plug	0	SEN UTF. D 14	090
49	—	1	—	—	955102-9	•Expansionsplugg	•Expander plug	0	182 CH-37549	100
50	—	1	—	—	418677-1	•Expansionsplugg	•Expander plug	1	182 CH 37550-. 183	110
51	—	1	—	—	191026-4	Propp	Plug	0	TID UTF	120
52	—	1	—	—	671842-3	Gummihatt	Rubber cap	0	TID UTF	130
53	—	1	—	—	952075-0	Propp	Plug	0	183 CH 3070-	131
54	—	1	—	—	418646-6	Gummihatt	Rubber cap	0	EXCL USA BW35	132
55	—	1	—	—	944208-8	Filtrering	Felt ring	S		140
56	—	1	—	—	419757-0	Spjällaxel	Spindle	3		150
57	—	1	—	—	419758-8	Spjällskiva	Shutter plate	3	182 CH-37549	160
58	—	1	—	—	460462-5	Spjällskiva	Shutter plate	3	182 CH 37550-. 183	170
59	—	2	—	—	71849-4	Skruv	Screw	0		180
60	—	1	—	—	18696-5	Bricka	Washer	0		190
61	—	1	—	—	951669-1	Spärryttare	E-ring	0		200
62	—	1	—	—	419728-1	Avgasrör	Exhaust manifold	3		210
63	—	8	—	—	953241-7	Pinnskruv	Stud	0	TID UTF	220
64	—	6	—	—	953241-7	Pinnskruv	Stud	0	SEN UTF	230
65a	—	2	—	—	942900-2	Skruv	Screw	0	SEN UTF	240
66	—	1	—	—	953243-3	Pinnskruv	Stud	0		250
67	—	2	—	—	940159-7	Skruv	Screw	0	TID UTF	260
68	—	6	—	—	419401-5	Bricka	Washer	1		270
69	—	ERF	—	—	941907-8	Fjädrande bricka	Resilient washer	0		280
70	—	ERF	—	—	955826-3	Mutter	Nut	0		290
71	—	1	—	—	460035-9	Stag	Stay	0	182 CH-30282	300
72	—	1	—	—	460054-0	Stag	Stay	0	182 CH 30283-. 183	310
73	—	2	—	—	940114-2	Skruv	Screw	0		320
74	—	2	—	—	960148-5	Bricka	Washer	0		330
75	—	2	—	—	940113-4	Skruv	Screw	0	182 CH-30282	340
76	—	1	—	—	940116-7	Skruv, L 25	Screw, L 25	0	182 CH 30283-38922.	350
77	—	1	—	—	940134-0	Skruv, L 32	Screw, L 32	0	182 CH 1146	352
78	—	2	—	—	955894-1	Bricka	Washer	0	182 CH 1147-	353
79	—	1	—	—	955896-6	Bricka	Washer	0	182 CH-30282	360
80	—	1	—	—	460561-4	Distansring	Spacer ring	0	182 CH 30283-38922	370
81	—	1	—	—	—	—	—	0	183 CH-1146	371
82	—	1	—	—	—	—	—	0	182 CH 38923-	372
83	—	1	—	—	—	—	—	0	183 CH 1147-	373
84	—	1	—	—	—	—	—	0	SE SIDA 18	374
85	1	1	—	—	666969-1	Konsol, V	Bracket, L	3		380
86	1	—	—	—	666970-9	Konsol, H	Bracket, R	0	ERS AV 1 ST 460033-4,	390
87	—	1	—	—	—	—	—	0	3 ST 956569-8	400
88	—	1	—	—	460033-4	Konsol, H	Bracket, R	3		410
89	6	—	—	—	955524-4	Skruv	Screw	0	TID UTF, L 19	420
90	3	3	—	—	955524-4	Skruv, V	Screw, L	0	SEN UTF. L 19	430
91	3	3	—	—	956569-8	Skruv, H	Screw, R	0	SEN UTF. L 22	440
92	ERF	4	—	—	955921-2	Bricka	Washer	0		450
93	2	2	—	—	666890-9	Gummikudde	Rubber cushion	1		460
94	2	2	—	—	955896-6	Bricka	Washer	0		470
95	4	4	—	—	940110-0	Fjäderbricka	Spring washer	0		480
96	4	4	—	—	940157-1	Mutter	Nut	0		490
97	—	—	—	—	—	—	—	0		500



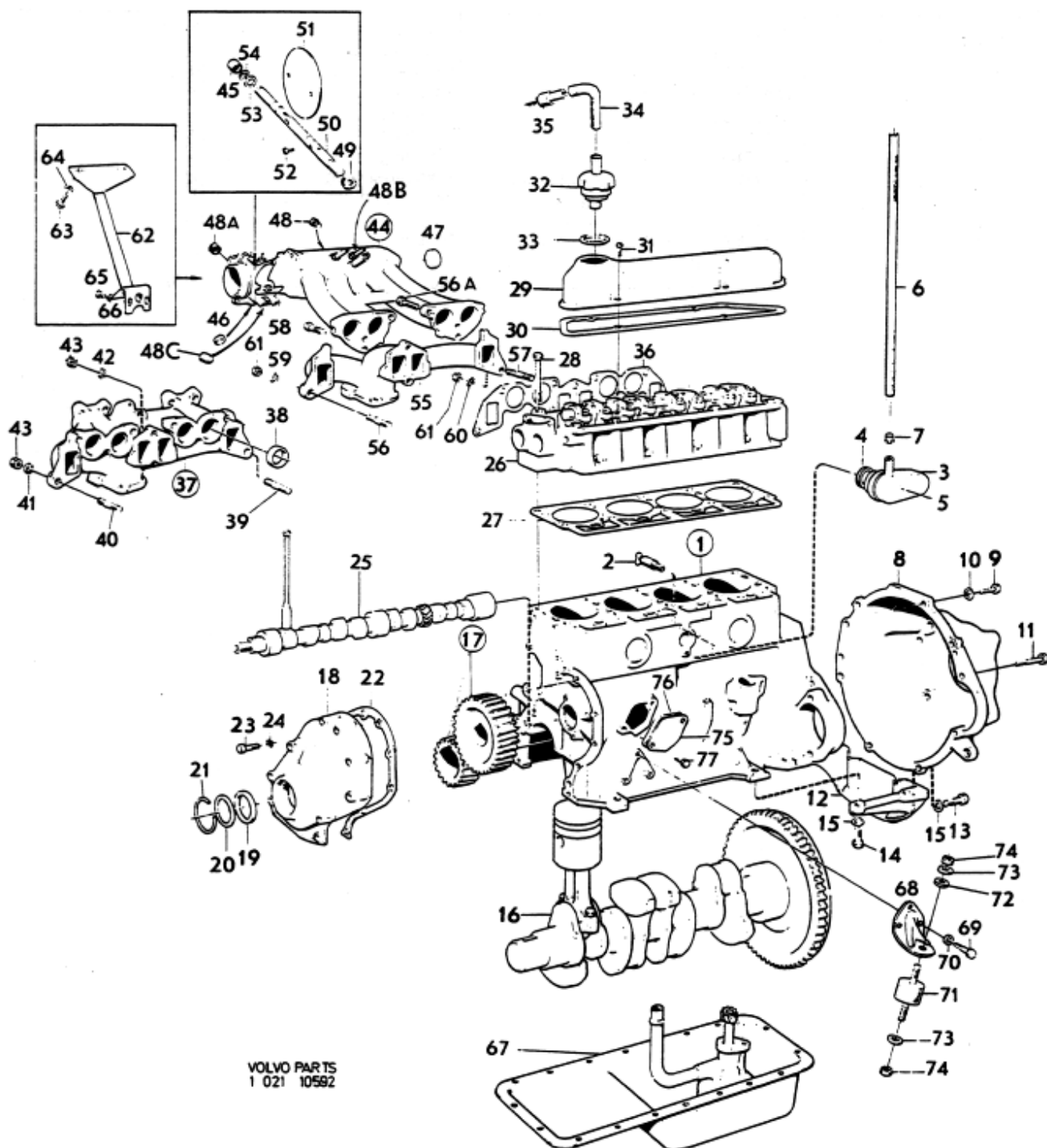


Sida	Grupp	Motor med monterings-	Engine and installation	Illustration Utgåva
6	2a	detaljer	components	4
Page	Group			10592 Issue

Pos.	Antal/Quantity				Detalj nr	Benämning	Description	Sats	Anmärkning	
Fig.	320B	B20E			Part No			Kit	Notes	
		B20F								
75	-	1	-	-		Lock .....	Cover .....	8		004
76	-	1	-	-	61830-6	Packning .....	Gasket .....	S		005
77	-	2	-	-	955523-6	Skruv .....	Screw .....	0		
	1	1	-	-		Packningssats, .....	Gasket kit, engine .....			010
						helreovering .....	reconditioning .....			020
	1	1	-	-	275494-3	•Tilläggsats, .....	•Complementary kit .....	1		030
						helreovering .....	engine reconditioning .....			040
	1	1	-	-		•Packningssats, .....	•Gasket kit .....			050
						sotning .....	decarbonizing .....			060
	1	-	-	-	275480-2	••Packningssats, .....	••Gasket kit .....			070
						insugnings-och avgasrör .....	manifolds .....			080
	-	1	-	-	275552-8	••Packningssats, .....	••Gasket kit .....	1		090
						insugnings-och avgasrör .....	manifolds .....			100
	1	-	-	-	275536-1	••Tilläggsats, .....	••Complementary kit .....	1		110
						sotning .....	decarbonizing .....			120
	-	1	-	-	275553-6	••Tilläggsats, .....	••Complementary kit .....	1	B20E	130
						sotning .....	decarbonizing .....			140
	-	1	-	-	275560-1	••Tilläggsats, .....	••Complementary kit .....	1	B20F	150
						sotning .....	decarbonizing .....			160
	1	1	-	-	275701-1	Låsbrickssats .....	Lock washer kit .....	3		170
										180
										190
										200

- 2) Cylinderlockspackning 419763 skall monteras om byte av cylinderlock 419304 till 460304 förekommit. Se sida 14.  
Cylinder head gasket 419763 should be fitted if cylinder head 419304 has been replaced by 460304. See page 14. Il faut monter le joint de culasse 419763 au cas où la culasse 419304 a été remplacée antérieurement par la culasse 460304. Voir page 14. Die Zylinderkopfdichtung 419763 soll, wenn Austausch von Zylinderkopf 419304 auf 460304 vorgekommen ist, eingebaut werden. Siehe Seite 14. La empaquetadura de culata 419763 se montará si se ha cambiado la culata 419304 por 460304. Ver página 14.

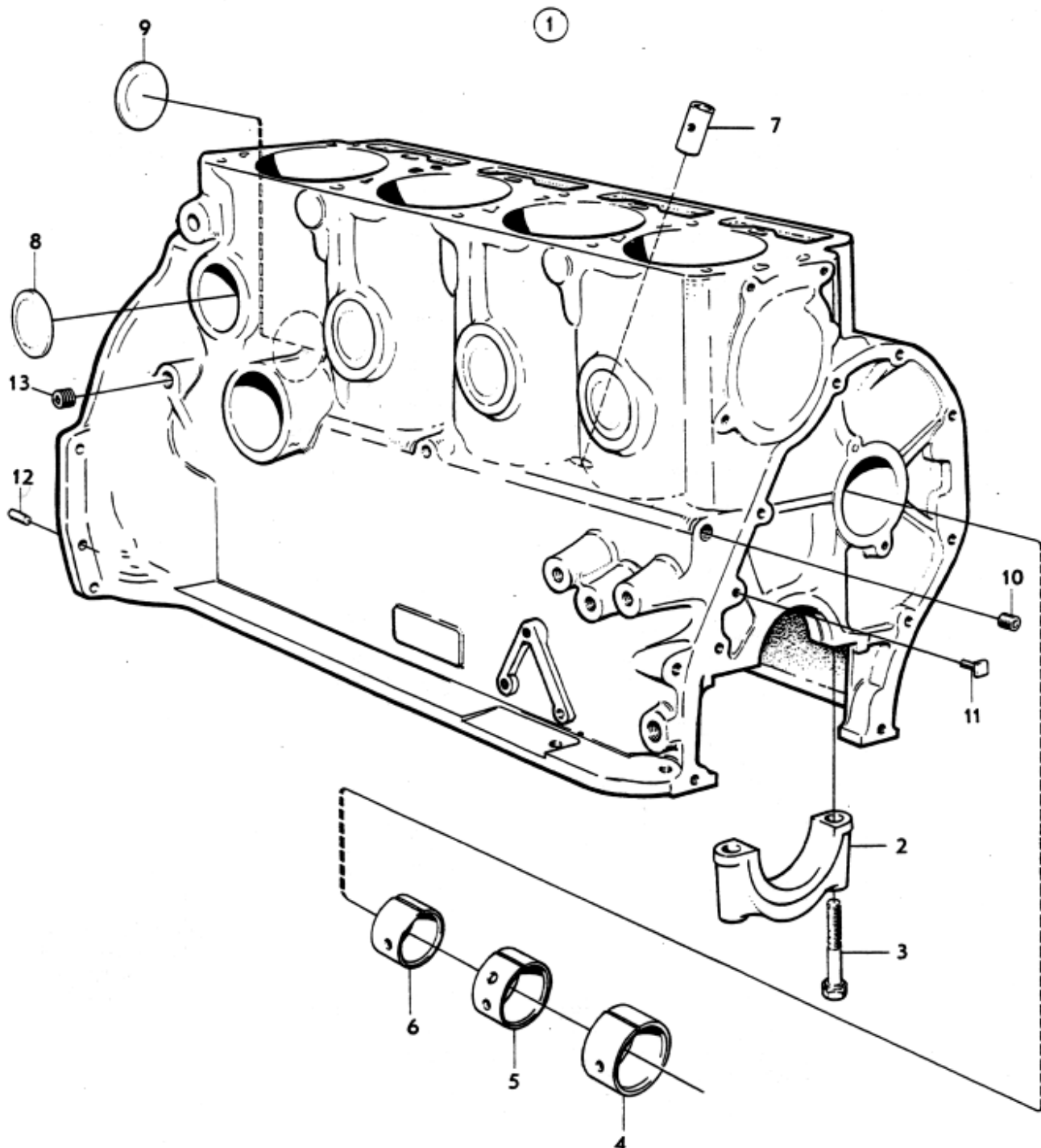






Sida	Grupp	Cylinderblock	Cylinder block	Illustration Utgåva
8	2a			4
Page	Group			9276 Issue

Pos. Fig.	Antal/Quantity				Detalj nr Part No	Benämning	Description	Sats Kit	Anmärkning Notes	
1	1	—	—	—	460365-0	Cylinderblock .....	Cylinder block .....	4		020
2	5	—	—	—		•Lageröverfall .....	•Bearing cap .....	8		030
3	10	—	—	—	942852-5	•Skruv .....	•Screw .....	0		040
4	1	—	—	—	430119-8	•Bussning .....	•Bushing .....	3		050
5	1	—	—	—	418249-9	•Bussning .....	•Bushing .....	3		060
6	1	—	—	—	418250-7	•Bussning .....	•Bushing .....	3		070
7	1	—	—	—	418251-5	•Bussning .....	•Bushing .....	3		080
8	6	—	—	—	418718-3	•Expansionsplugg .....	•Expander plug .....	1		090
9	1	—	—	—	418677-1	Expansionsplugg .....	Expander plug .....	1		100
10	2	—	—	—	952075-0	Propp .....	Plug .....	0		110
11	1	—	—	—	418416-4	Nippel .....	Nipple .....			120
12	2	—	—	—	19730-1	Pinne .....	Pin .....	0		130
13	1	—	—	—	942734-5	Propp .....	Plug .....	3)		140

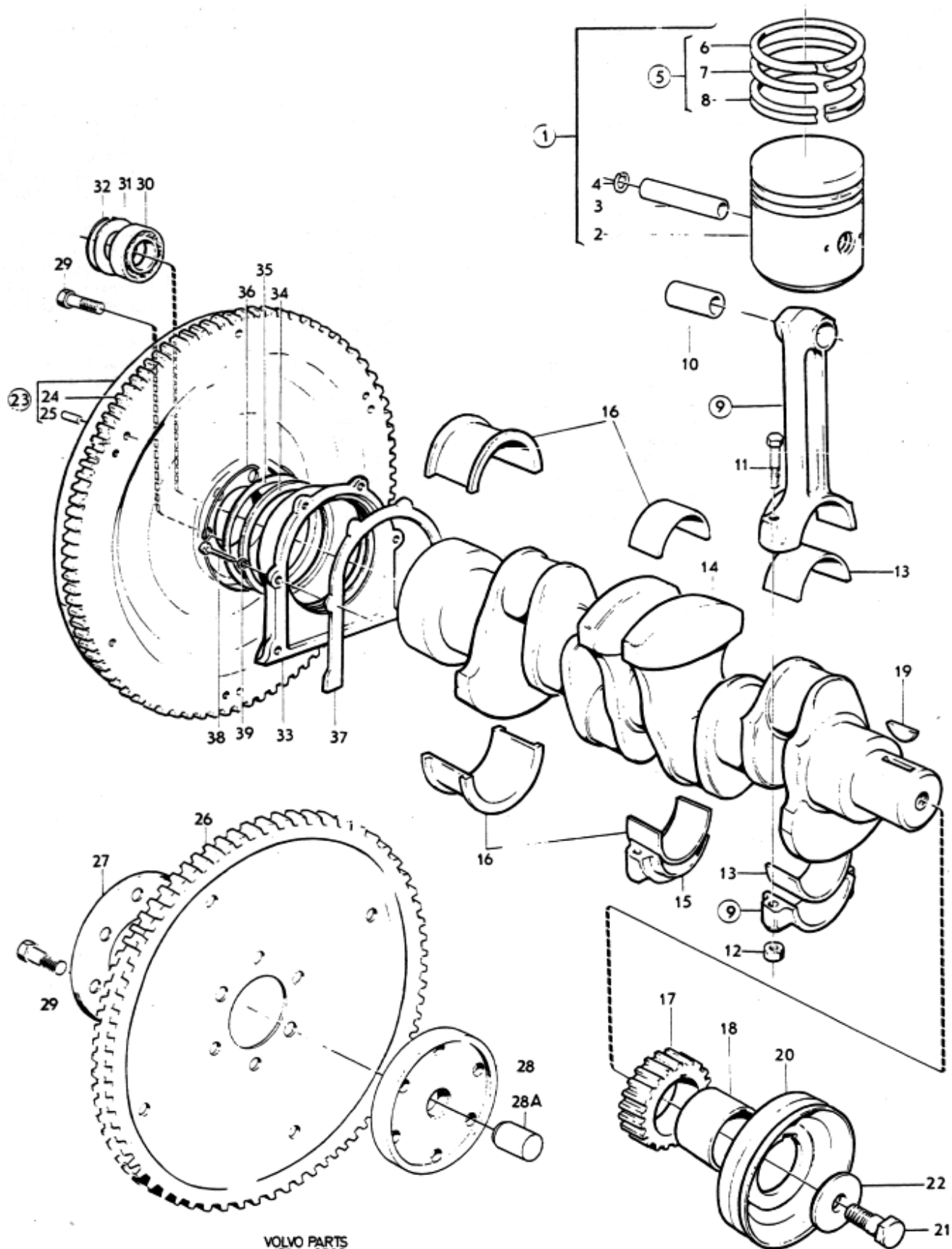


VOLVO  
KA9276



Sida 10a Grupp 2a Vevrörelse Crankshaft and related parts Illustration Utgåva 3  
Page Group 10593 Issue

Pos. Fig.	Antal/Quantity				Detalj nr Part No	Benämning	Description	Sats Kit	Anmärkning Notes	
1	4	-	-	-	272007-6	Kolvsats .....	Piston kit .....			010
	-	-	-	-	272003-5	Std, C, D, E .....	Std, C, D, E .....		88,86-88,89. MÄRKT D	020
	-	-	-	-	272012-6	Std .....	Std .....		88,90-88,91. MÄRKT G	030
	-	-	-	-	272004-3	0,015 tum öd .....	0,015 in os .....			035
	-	-	-	-		0,030 tum öd .....	0,030 in /s .....			040
2	4	-	-	-		•Kolv .....	•Piston .....	S		050
3	4	-	-	-		•Kolvbult .....	•Gudgeon pin .....			060
	-	-	-	-	419392-6	Std .....	Std .....	S		070
	-	-	-	-	419649-9	0,05 öd .....	0,05 os .....			080
4	8	-	-	-	914510-3	•Låsring .....	•Circlip .....	S		090
5	4	-	-	-		•Kolvringssats .....	•Piston ring set .....			1
	-	-	-	-	275306-9	Std .....	Std .....			110
	-	-	-	-	275314-3	0,015 öd .....	0,015 in os .....			115
	-	-	-	-	275307-7	0,030 öd .....	0,030 in os .....			120
6	4	-	-	-		••Kompressionsring .....	••Compression ring .....	S		130
7	4	-	-	-		••Kompressionsring .....	••Compression ring .....	S		140
8	4	-	-	-		•Oljering .....	•Oil ring .....	S		1
9	4	-	-	-	419537-6	Vevstake .....	Connecting rod .....	3		160
10	4	-	-	-	418295-2	•Bussning, std .....	•Bushing, std .....	1		170
	-	-	-	-	418465-1	•Bussning, öd .....	•Bushing, os .....	3		180
11	8	-	-	-	415223-7	•Skruv .....	•Screw .....	1		190
12	8	-	-	-	191410-0	•Mutter .....	•Nut .....	0		200
13	1	-	-	-		Vevlagersats .....	Big-end bearing kit .....			210
	-	-	-	-	271051-5	Std .....	Std .....	1		220
	-	-	-	-	271052-3	0,010 tum ud .....	0,010 in us .....	3		230
	-	-	-	-	271053-1	0,020 tum ud .....	0,020 in us .....	3		240
	4	-	-	-		•Lagerskål, övre .....	•Bearing shell, upper .....	S		250
	4	-	-	-		•Lagerskål, undre .....	•Bearing shell, lower .....	S		260
14	1	-	-	-	418593-0	Vevaxel .....	Crankshaft .....	4	SE SIDA 8	270
15	5	-	-	-		Lageröverfall .....	Bearing cap .....			280
16	1	-	-	-		Ramlagersats .....	Main bearing kit .....			290
	-	-	-	-	271214-9	Std .....	Std .....	2		300
	-	-	-	-	271215-6	0,010 tum ud .....	0,010 in us .....	3		310
	-	-	-	-	271216-4	0,020 tum ud .....	0,020 in us .....	3		320
	5	-	-	-		•Lagerskål, övre .....	•Bearing shell, upper .....	S		330
	5	-	-	-		•Lagerskål, undre .....	•Bearing shell, lower .....	S		340
17	1	-	-	-		Vevaxeldrev .....	Crankshaft gear .....	S	SE SIDA 2	3
18	1	-	-	-	418264-8	Nav .....	Hub .....	4		350
19	1	-	-	-	910123-9	Kil .....	Key .....	0		370
20	1	-	-	-	418254-9	Remskiva .....	Pulley .....	3	B20B. ERS AV 1 ST 460516-8, 1 ST 460511-9, 1 ST 921692-0 B20E-F. (460516)	380 381 382 3
x 21	1	-	-	-	460783-4	Remskiva .....	Pulley .....			3
	1	-	-	-	940111-8	Skruv för 418254 .....	Screw for 418254 .....	0		3
	1	-	-	-	921692-0	Skruv för 460516 .....	Screw for 460516 .....	0		391
22	1	-	-	-	191688-1	Bricka för 418254 .....	Washer for 418254 .....	0		400
	1	-	-	-	460511-9	Bricka för 460516 .....	Washer for 460516 .....	3		401
23	1	-	-	-	419634-1	Svånghjul .....	Flywheel .....	4	VXL M41, 410	410
24	1	-	-	-	419633-3	•Kuggkrans .....	•Ring gear .....	3	VXL M41, 410	420
25	3	-	-	-	191873-9	•Styrpinne .....	•Guide pin .....	0	VXL M41, 410	430

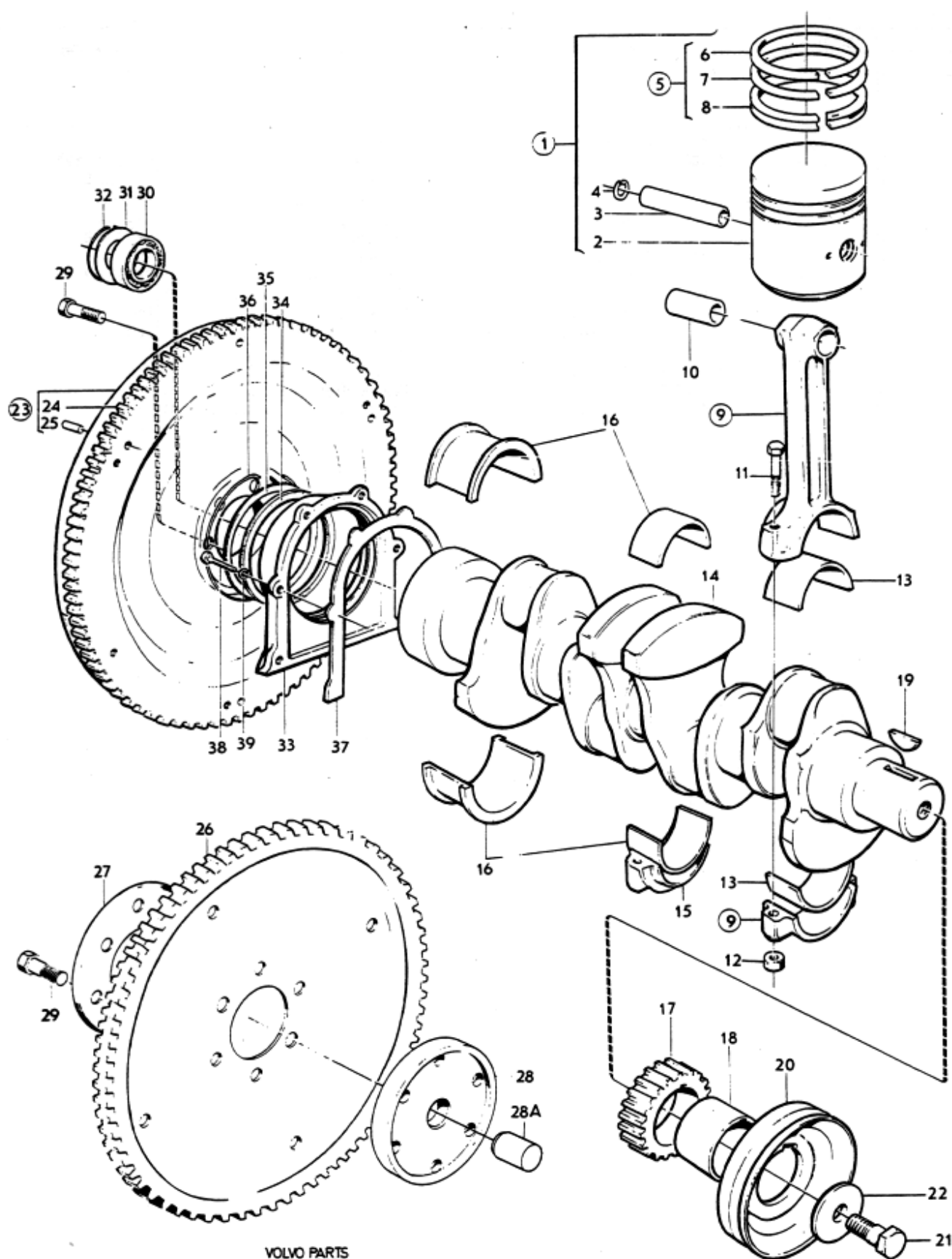


VOLVO PARTS  
1 021 10593



Sida	Grupp	Vevrörelse	Crankshaft and related parts	Illustration Utgåva
10c	2a			1
Page	Group			10593 Issue

Pos. Fig.	Antal/Quantity				Detalj nr Part No	Benämning	Description	Sats Kit	Anmärkning Notes	
26	1	-	-	-	419637-4	Medbringarplåt ..... med kuggkrans,	Carrier plate ..... with ring gear	3	VXL BW35. TID UTF DI 51 ERS AV 1 ST 460455-9, 1 ST 460456-7, 1 ST 460459-1, 1 ST 460457-5	010 020 030 040
	1	-	-	-	460459-1	Medbringarplåt ..... med kuggkrans	Carrier plate ..... with ring gear	3	VXL BW35. SEN UTF DI 35	050 060
27	1	-	-	-	670078-5	Stödplåt .....	Support plate .....		VXL BW35. TID UTF DI 52	070
	1	-	-	-	460457-5	Stödplåt .....	Support plate .....		VXL BW35. SEN UTF DI 30	080
28	1	-	-	-	670074-4	Medbringarfläns .....	Flange .....		VXL BW35. TID UTF DI 19	090
	1	-	-	-	460456-7	Medbringarfläns .....	Flange .....		VXL BW35. SEN UTF DI 35	100
28a	1	-	-	-	460455-9	Styrbussning .....	Guide bushing .....		VXL BW35. SEN UTF	1
29	6	-	-	-	944741-8	Skruv .....	Screw .....	0		1
30	1	-	-	-	11009-8	Kullager .....	Ball bearing .....	1	VXL M41, 410	130
31	1	-	-	-	418663-1	Skyddsplåt .....	Protector plate .....		VXL M41, 410	140
32	1	-	-	-	191848-1	Låsring .....	Circlip .....	S	VXL M41, 410	150
33	1	-	-	-	418238-2	Tätningfläns .....	Seal flange .....	4		160
34	1	-	-	-	418621-9	Filtring .....	Felt ring .....	S		170
35	1	-	-	-	418625-0	Hållare .....	Retainer .....	4		1
36	1	-	-	-	418623-5	Låsring .....	Circlip .....	S		190
37	1	-	-	-	418257-2	Packning .....	Gasket .....	S		200
38	6	-	-	-	940100-1	Skruv .....	Screw .....	0		210
39	6	-	-	-	941906-0	Fjädrande bricka .....	Resilient washer .....	0		220



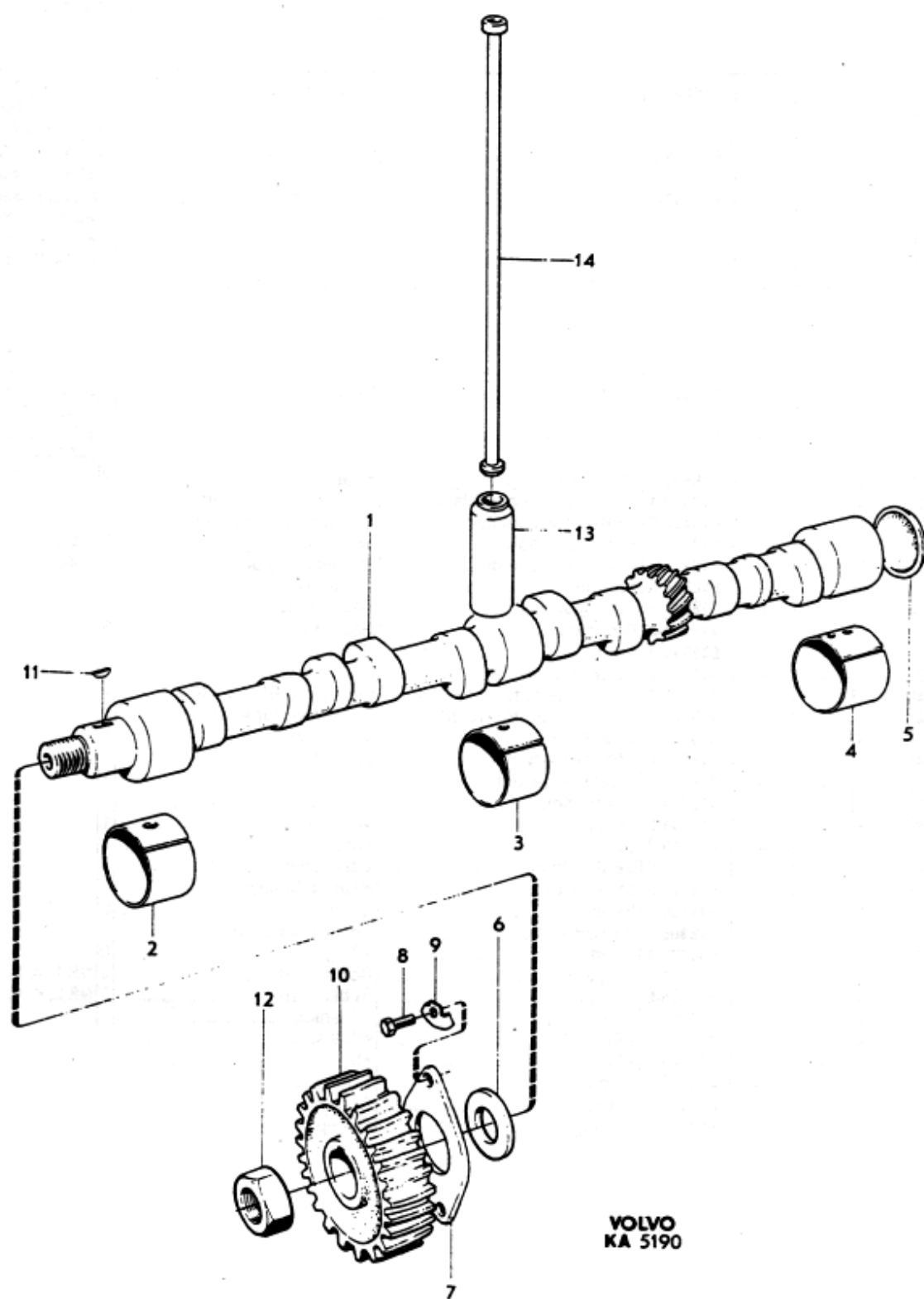
VOLVO PARTS  
1 021 10593



Sida	Grupp	Kamaxel	Camshaft	Illustration Utgåva
12	2a			3
Page	Group			5190 Issue

Pos. Fig.	Antal/Quantity				Detalj nr Part No	Benämning	Description	Sats Kit	Anmärkning Notes	
x 1	1	-	-	-	418707-6	Kamaxel .....	Camshaft .....	3	B20B	010
	1	-	-	-	460487-2	Kamaxel .....	Camshaft .....		B20E. (419258)	020
2	1	-	-	-		Bussning .....	Bushing .....		SE SIDA 8	030
3	1	-	-	-		Bussning .....	Bushing .....		SE SIDA 8	040
4	1	-	-	-		Bussning .....	Bushing .....		SE SIDA 8	050
5	1	-	-	-		Expansionsplugg .....	Expander plug .....		SE SIDA 8	060
6	1	-	-	-	418363-8	Distansring .....	Spacer ring .....	3		070
x 7	1	-	-	-	419681-2	Tryckfläns .....	Pressure flange .....		SE SIDA 2 POS 17	080
8	2	-	-	-	943455-6	Skruv .....	Screw .....	S		090
9	2	-	-	-		Låsbricka .....	Lock washer .....	8	TID UTF	100
10	1	-	-	-		Kamaxeldrev .....	Camshaft gear .....	S	SE SIDA 2	110
11	1	-	-	-	910118-9	Kil .....	Key .....	0		120
12	1	-	-	-	150169-1	Mutter .....	Nut .....	0		130
13	8	-	-	-	418423-0	Ventillyftare .....	Valve lifter .....	1		140
14	8	-	-	-	418304-2	Tryckstång .....	Push rod .....	1		150



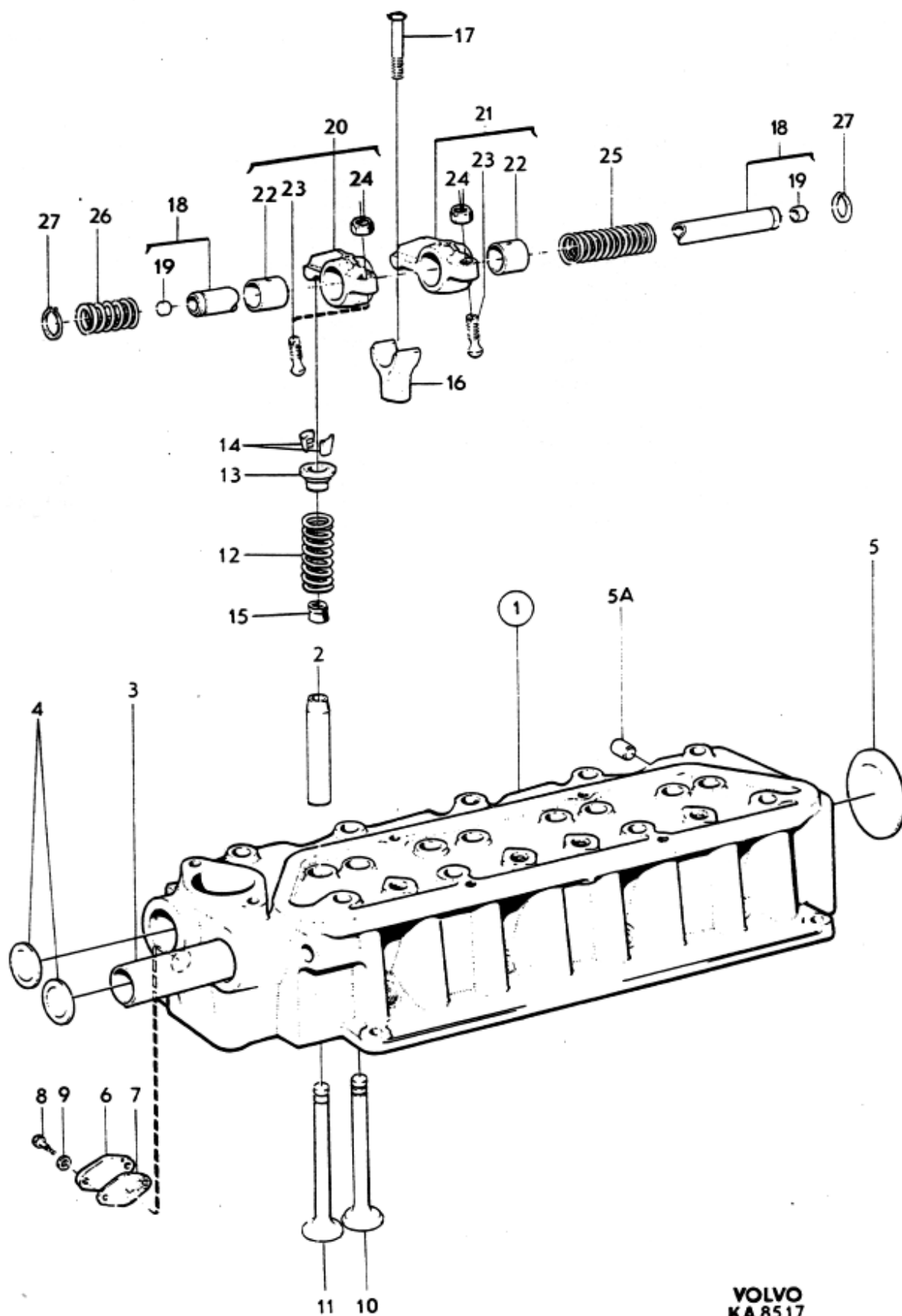


VOLVO  
KA 5190



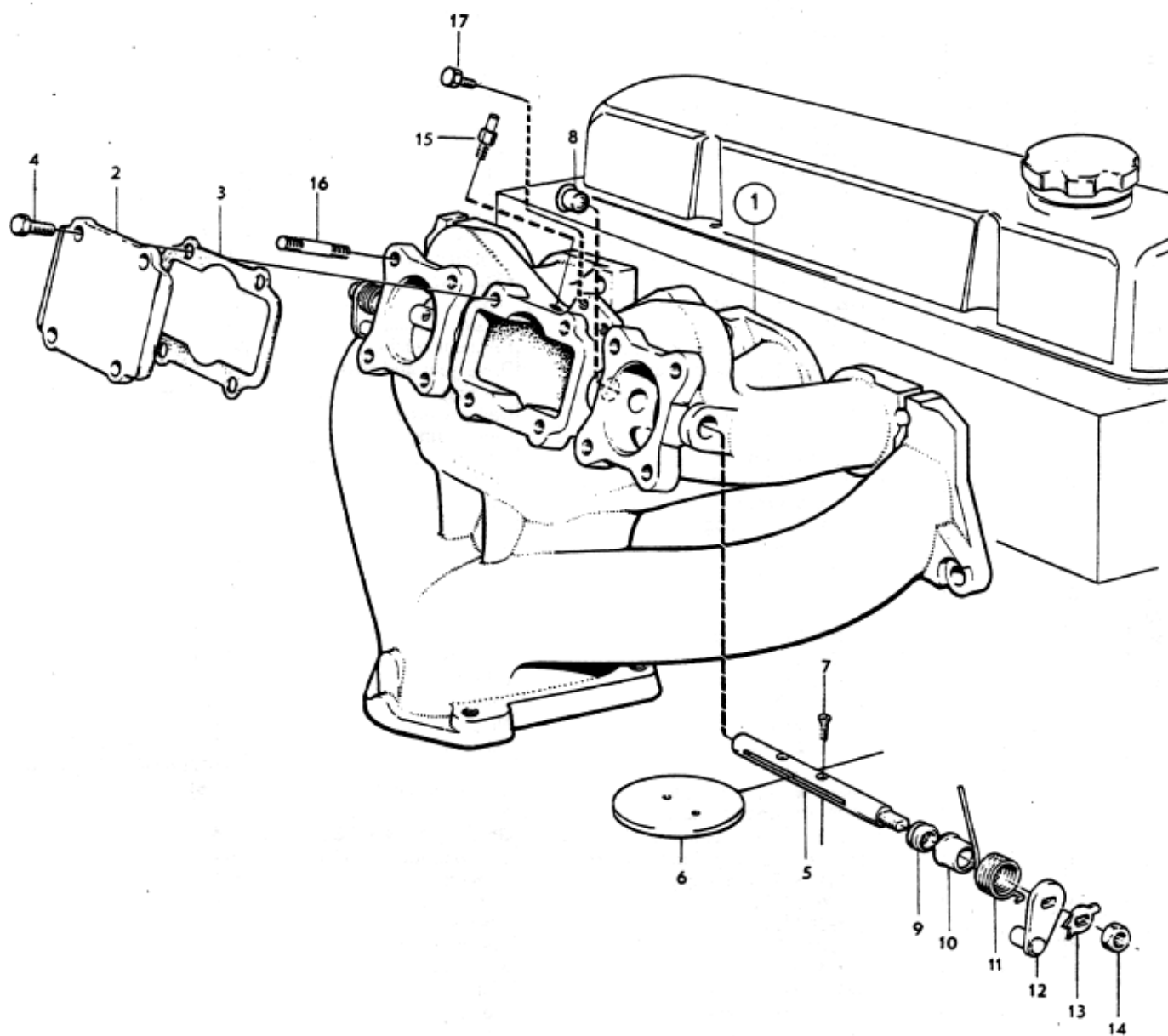
Sida	Grupp	Cylinderlock	Cylinder head	Illustration Utgåva
14	2a			4
Page	Group			8517 Issue

Pos.	Antal/Quantity				Detalj nr	Benämning	Description	Sats	Anmärkning	
Fig.	B20B	B20E	B20F		Part No			Kit	Notes	
1	1	—	—	—	419304-1	Cylinderlock .....	Cylinder head .....		TID UTF.MÄRKT 419305.ERS	010
	1	—	—	—	460304-9	Cylinderlock .....	Cylinder head .....		AV 1 ST 460914-5, 1 ST	011
	—	1	—	—	419752-1	Cylinderlock .....	Cylinder head .....		419763-8, 4 ST 419766-1	012
	—	1	—	—	460098-7	Cylinderlock .....	Cylinder head .....		SEN UTF. MÄRKT 460304.	013
	—	1	—	—	460805-5	Cylinderlock .....	Cylinder head .....		ERS AV 460914-5.	014
	—	1	—	—	460807-1	Cylinderlock .....	Cylinder head .....		B20E(496940) MO-2666	020
	—	1	—	—	419652-3	•Ventilstyrning, insugn .....	•Valve guide, intake .....	1	B20E(496942) MO-421	030
	—	1	—	—	419653-1	•Ventilstyrning, utblåsn .....	•Valve guide, exhaust .....	1	ERS AV 1 ST 460805-5,	040
	—	1	—	—	418466-9	•Vattenfördelningsrör .....	•Water distributor pipe .....	1	I ST 430147-9	050
	—	1	—	—	418717-5	•Expansionsplugg .....	•Expander plug .....	1	B20E(496940) MO 2667-	060
	—	1	—	—	418718-3	•Expansionsplugg .....	•Expander plug .....	1	B20E(496941)	060
	—	3	—	—	950586-8	Styrpinne .....	Guide pin .....	0	B20E(496942) MO 422-	090
	—	1	—	—	418213-5	Tätningssfläns .....	Seal flange .....	3	B20E(496947)	090
	—	1	—	—	418214-3	Packning .....	Gasket .....	S	ERS AV 460805-5	100
	—	1	—	—	955512-9	Skruv .....	Screw .....	0	B20E(498278-498281).	110
	—	1	—	—	941906-0	Fjädrande bricka .....	Resilient washer .....	0	(460308)	120
	—	1	—	—	419639-0	Insugn.ventil för 419304 .....	Inlet valve for 419304 .....	1	B20F(498282-498283).	120
	—	1	—	—	419766-1	Insugn.ventil för 460304 .....	Inlet valve for 460304 .....	1	(460441)	120
	—	4	—	—	419766-1	Insugn.ventil .....	Inlet valve .....	1		120
	—	4	—	—	419640-8	Utblåsningsventil .....	Exhaust valve .....	1		160
	—	4	—	—	419735-6	Utblåsningsventil .....	Exhaust valve .....	1		170
	—	8	—	—	418737-3	Ventilfjäder .....	Valve spring .....	1		180
	—	8	—	—	419644-0	Bricka .....	Washer .....	1		190
	—	16	—	—	419643-2	Lås .....	Lock .....	1		200
	—	8	—	—	419702-6	Ventiltätning .....	Valve seal .....	S		210
	—	4	—	—	418206-9	Lagerbock .....	Bearing bracket .....	0		220
	—	4	—	—	191689-9	Skruv .....	Screw .....	0		230
	—	1	—	—	418305-9	Vipparmsaxel .....	Rocker arm shaft .....	4		240
	—	2	—	—	955083-1	•Hattplugg .....	•Plug .....	0		250
	—	4	—	—	418301-8	Vipparm .....	Rocker arm .....	3		260
	—	4	—	—	418298-6	Vipparm .....	Rocker arm .....	3		270
	—	8	—	—	418297-8	•Bussning .....	•Bushing .....	3		271
	—	8	—	—	418286-1	•Kulbult .....	•Ball stud .....	1		280
	—	8	—	—	921781-1	•Mutter .....	•Nut .....	0		290
	—	3	—	—	418426-3	Fjäder .....	Spring .....	4		300
	—	2	—	—	411140-7	Fjäder .....	Spring .....	4		310
	—	2	—	—	914456-9	Låsring .....	Circlip .....	S		320
	—	2	—	—						330
	—	2	—	—						350
	—	2	—	—						360
	—	2	—	—						370
	—	2	—	—						380
	—	2	—	—						390
	—	2	—	—						410
	—	2	—	—						420
	—	2	—	—						430
	—	2	—	—						440
	—	2	—	—						450



VOLVO  
KA 8517





**VOLVO**  
**KA6822**

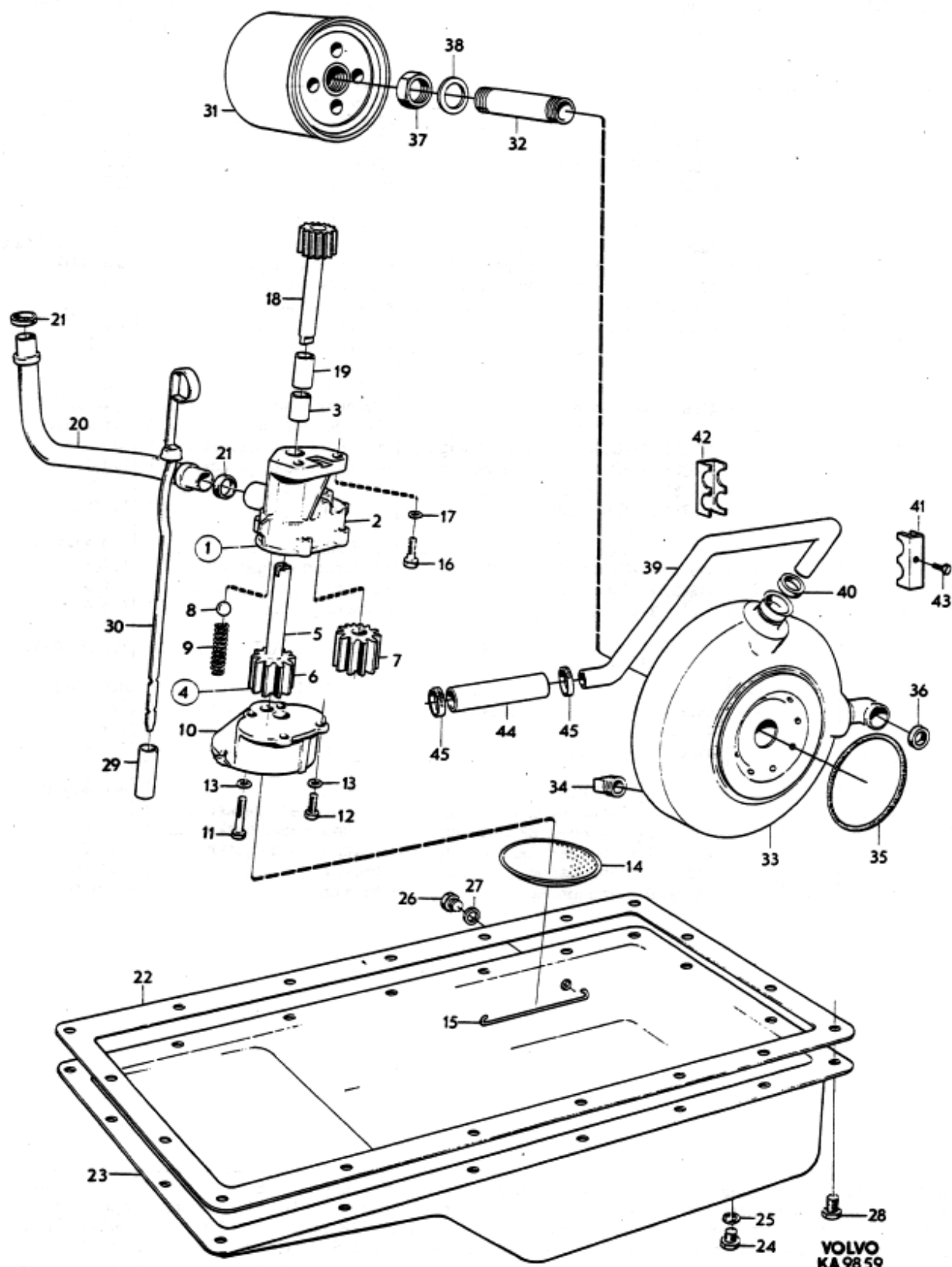


Sida	Grupp	Smörjsystem	Lubricating system	Illustration Utgåva					
18	2a			3					
Page	Group			9859 Issue					
Pos. Fig.	Antal/Quantity				Detalj nr Part No	Benämning	Description	Sats Kit	Anmärkning Notes
1	1	—	—	—	419542-6	Oljepump .....	Oil pump .....	3	
2	1	—	—	—		•Hus .....	•Housing .....	8	
3	2	—	—	—	18130-5	•Bussning .....	•Bushing .....	3	
4	1	—	—	—	430112-3	•Kuggdrev, kmpl .....	•Gear, cpl .....	3	
5	1	—	—	—		••Axel .....	••Shaft .....	8	
6	1	—	—	—		••Kuggdrev .....	••Gear .....	8	
7	1	—	—	—	430114-9	•Kugghjul .....	•Gear .....	3	
8	1	—	—	—	400605-2	•Kula .....	•Ball .....	3	
9	1	—	—	—	430161-0	•Fjäder .....	•Spring .....	3	
10	1	—	—	—	419543-4	•Lock .....	•Cover .....		
11	2	—	—	—	955513-7	•Skruv .....	•Screw .....	0	L 19
12	2	—	—	—	940117-5	•Skruv .....	•Screw .....	0	L 32
13	4	—	—	—	941906-0	•Fjädrande bricka .....	•Resilient washer .....	0	
14	1	—	—	—	418288-7	•Sil .....	•Strainer .....	3	
15	1	—	—	—	418289-5	•Låstråd .....	•Lock wire .....	S	
16	2	—	—	—	940135-7	Skruv .....	Screw .....	0	
17	2	—	—	—	941907-8	Fjädrande bricka .....	Resilient washer .....	0	
18	1	—	—	—	418277-0	Drivhjul med axel .....	Drive gear and shaft .....	3	
19	1	—	—	—		Bussning .....	Bushing .....		SE SIDA 8
20	1	—	—	—	419539-2	Tryckrör .....	Delivery pipe .....		
21	2	—	—	—	418360-4	Gummiring .....	Rubber ring .....	S	
22	1	—	—	—	418262-2	Packning .....	Gasket .....	S	
23	1	—	—	—	418260-6	Oljesump .....	Sump .....	3	
24	1	—	—	—	190798-9	Propp .....	Plug .....	0	
25	1	—	—	—	18818-5	Packning .....	Packing .....	S	
26	1	—	—	—	418649-0	Nippel .....	Nipple .....		
27	1	—	—	—	18822-7	Packning .....	Packing .....	S	
28	18	—	—	—	942624-8	Skruv .....	Screw .....	0	
29	1	—	—	—	418645-8	Rör .....	Pipe .....		
30	1	—	—	—	418643-3	Oljemätsticka .....	Dipstick .....	3	VST
	1	—	—	—	419824-8	Oljemätsticka .....	Dipstick .....	3	HST
31	1	—	—	—	418432-1	Oljefilter .....	Oil filter .....	1	
32	1	—	—	—	418440-4	Nippel .....	Nipple .....	3)	
	1	—	—	—	460232-2	Nippel .....	Nipple .....	4)	
33	1	—	—	—	460233-0	Oljekylare, alt 1 .....	Oil cooler, alt 1 .....		4) STD. ERS AV 1 ST
									462663-6, 1 ST 946681-4.
	1	—	—	—	462663-6	Oljekylare, alt 2 .....	Oil cooler, alt 2 .....		4,5)
34	1	—	—	—	952070-1	•Propp .....	•Plug .....		
35	1	—	—	—	925255-2	Tätningsring för 460233 .....	Seal ring for 460233 .....	S 4)	
	1	—	—	—	946681-4	Tätningsring för 462663 .....	Seal ring for 462663 .....	S 4)	
36	1	—	—	—	418411-5	Tätningsring .....	Seal ring .....	S 4)	
37	1	—	—	—	191701-2	Mutter .....	Nut .....	0 4)	
38	1	—	—	—	824589-6	Bricka .....	Washer .....	4)	
39	1	—	—	—	460362-7	Vattenavloppsror .....	Water outlet pipe .....	4)	
40	1	—	—	—	418411-5	Tätningsring .....	Seal ring .....	S 4)	
41	1	—	—	—	460361-9	Klammer .....	Clamp .....	4)	
42	1	—	—	—	460364-3	Klammer .....	Clamp .....	4)	
43	1	—	—	—	960865-4	Skruv .....	Screw .....	4)	
44	110	—	—	—	943368-1	Slang .....	Hose .....	4)	
45	2	—	—	—	943473-9	Slangklammer .....	Hose clip .....	4)	

3) Utan oljekylare. Without oil cooler. Sans refroidisseur d'huile. Ohne Ölkühler. Sin enfriador de aceite.

4) Med oljekylare. With oil cooler. Avec refroidisseur d'huile. Mit Ölkühler. Con enfriador de aceite.

5) Reservdelsutförande. Replacement unit. Moteur de rechange. Austanschmotore. Motores de recambio.





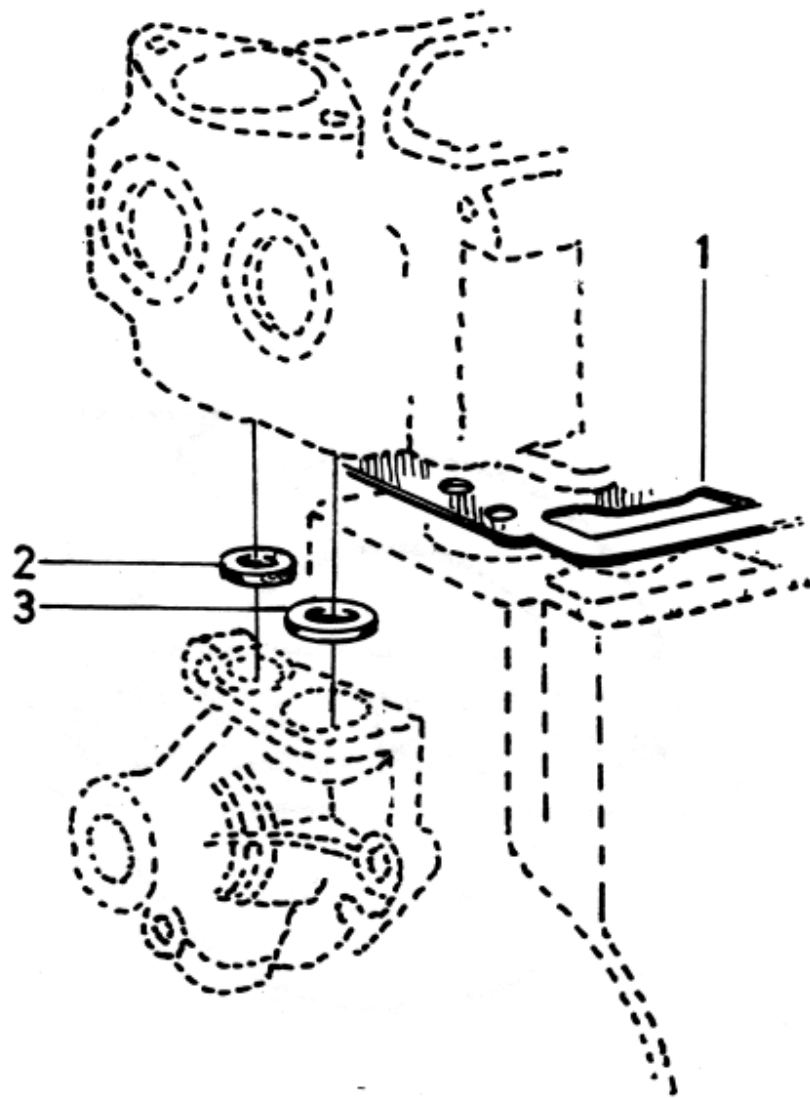
Sida	Grupp	Cylinderlockspackningar, och tillhörande tätningssrings	Cylinder head gaskets and related seals	Illustration Utgåva
20	2a			2
Page	Group			11716 Issue

Pos. Fig.	Antal/Quantity				Detalj nr Part No	Benämning	Description	Sats Kit	Anmärkning Notes	
1	1	1	1	1	419310-8	B20B-D ALT 1 ..... •Cylinderlockspackning .....	B20B-D ALT 1 ..... •Cylinder head gasket .....	ROT 97-100		010
2	1	1	1	1	419763-8	•Cylinderlockspackning .....	•Cylinder head gasket .....	2) TID UTF. TJ 0,8		020
3	1	1	1	1	418655-7	•Tätningssring .....	•Seal ring .....	TJ 8,5		030
3	1	1	1	1	418657-3	•Tätningssring .....	•Seal ring .....	TJ 8,5		040
1	1	1	1	1	460552-3	B20B-D ALT 2 ..... •Cylinderlockspackning .....	B20B-D ALT 2 ..... •Cylinder head gasket .....	ROT 90-97		050
2	1	1	1	1	460322-1	•Cylinderlockspackning .....	•Cylinder head gasket .....	2) TID UTF. TJ 2,0		060
3	1	1	1	1	419763-8	•Cylinderlockspackning .....	•Cylinder head gasket .....	2) SEN UTF.		070
2	1	1	1	1	418656-5	•Tätningssring .....	•Seal ring .....	TJ 1,2		080
3	1	1	1	1	418658-1	•Tätningssring .....	•Seal ring .....	TJ 0,8		090
1	1	1	1	1	419628-3	B20B-D ALT 3 ..... •Cylinderlockspackning .....	B20B-D ALT 3 ..... •Cylinder head gasket .....	ROT 85-90		100
2	1	1	1	1	460443-5	•Cylinderlockspackning .....	•Cylinder head gasket .....	2) TID UTF. TJ 2,5		110
3	1	1	1	1	460322-1	•Cylinderlockspackning .....	•Cylinder head gasket .....	2) SEN UTF.		120
2	1	1	1	1	419782-8	•Tätningssring .....	•Seal ring .....	TJ 1,4		130
3	1	1	1	1	419781-0	•Tätningssring .....	•Seal ring .....	TJ 1,2		140
1	1	1	1	1	419763-8	B20E ALT 1 ..... •Cylinderlockspackning .....	B20E ALT 1 ..... •Cylinder head gasket .....	ROT 97-100		150
2	1	1	1	1	418655-7	•Tätningssring .....	•Seal ring .....	TJ 0,8		160
3	1	1	1	1	418657-3	•Tätningssring .....	•Seal ring .....	TJ 8,5		170
1	1	1	1	1		B20E ALT 2, ALT 3 .....	B20E ALT 2, ALT 3 .....	1) ROT 90-93, 85-90.		180
2	1	1	1	1	460322-1	B20F ALT 1 ..... •Cylinderlockspackning .....	B20F ALT 1 ..... •Cylinder head gasket .....	ROT 90-93		190
3	1	1	1	1	418655-7	•Tätningssring .....	•Seal ring .....	TJ 1,2		200
3	1	1	1	1	418657-3	•Tätningssring .....	•Seal ring .....	TJ 8,5		210
1	1	1	1	1	460443-5	B20F ALT 2 ..... •Cylinderlockspackning .....	B20F ALT 2 ..... •Cylinder head gasket .....	ROT 85-90		220
2	1	1	1	1	460322-1	•Cylinderlockspackning .....	•Cylinder head gasket .....	8 TJ 1,4		230
3	1	1	1	1	419782-8	•Tätningssring .....	•Seal ring .....	TJ 1,2		240
3	1	1	1	1	419781-0	•Tätningssring .....	•Seal ring .....	TJ 10,0		250

1) Tjockare packning för vagnar på marknader med bensen av lågt oktantal. Se grupp 2B, sid 2, pos 10, 11. Heavier gasket for vehicles running on markets with low octane petrol. See group 2B, page 2, pos 10, 11. Joint plus épais pour véhicules roulant dans les marchés où l'essence a un faible indice d'octane. Voir groupe 2B, page 2, pos 10, 11. Stärkere Dichtung in Wagen, die für Absatzmärkte mit Benzin von niedriger Oktanzahl vorgesehen sind. Siehe Gruppe 2B, Seite 2, Pos 10, 11. Empaquetadura mas gruesas para coches en los mercados con gasolina de bajo indice de octano. Vease grupo 2B, pag 2, pos 10, 11.

2) Cylinderlockspackning 419763 skall monteras om byte av cylinderlock 419304 till 460304 förekommit. Se sida 14. Cylinder head gasket 419763 should be fitted if cylinder head 419304 has been replaced by 460304. See page 14. Il faut monter le joint de culasse 419763 au cas où la culasse 419304 a été remplacée antérieurement par la culasse 460304. Voir page 14. Die Zylinderkopfdichtung 419763 soll, wenn Austausch von Zylinderkopf 419304 auf 460304 vorgekommen ist, eingebaut werden. Siehe Seite 14. La empaquetadura de culata 419763 se montará si se ha cambiado la culata 419304 por 460304. Ver página 14.





VOLVO PARTS  
1 021 11716

